

Renesas Starter Kit for R8C/13

- Block Diagram
- Configuration
- Layout and Specification
- Ordering Information
- PC System Requirements
- Technical Support

Documentation

Downloads

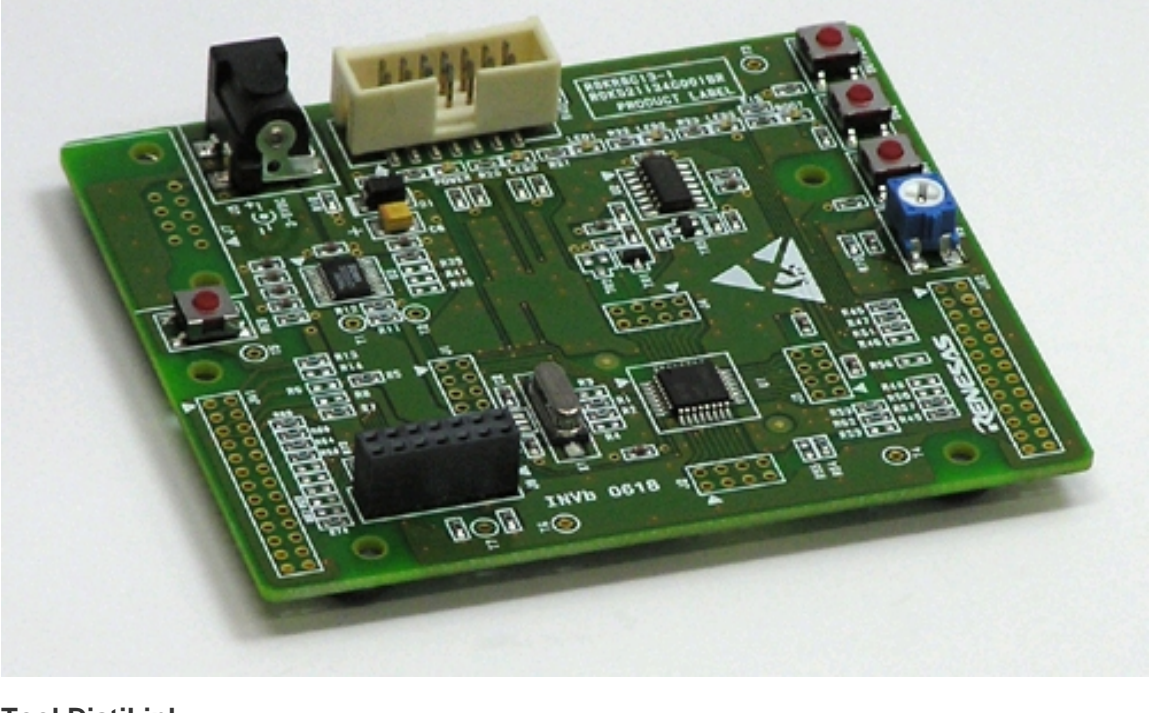
Purchasing Info

Full Product Info

ON THIS PAGE:

- Product Overview
- Block Diagram
- Configuration
- Layout and Specification
- Ordering Information
- PC System Requirements
- Technical Support

Top



Tool DistiLink

Please contact your distributor for the orderable part number for this device.

Renesas Starter Kit for R8C/13 (Discontinued Product)

Target Devices

Device Group: R8C/13

Device Part No. populated on the board: R5F21134FP

For more information on the microcontroller please view the R8C/13 Device page. ? Link to "R8C/13 Device page"

Product Overview

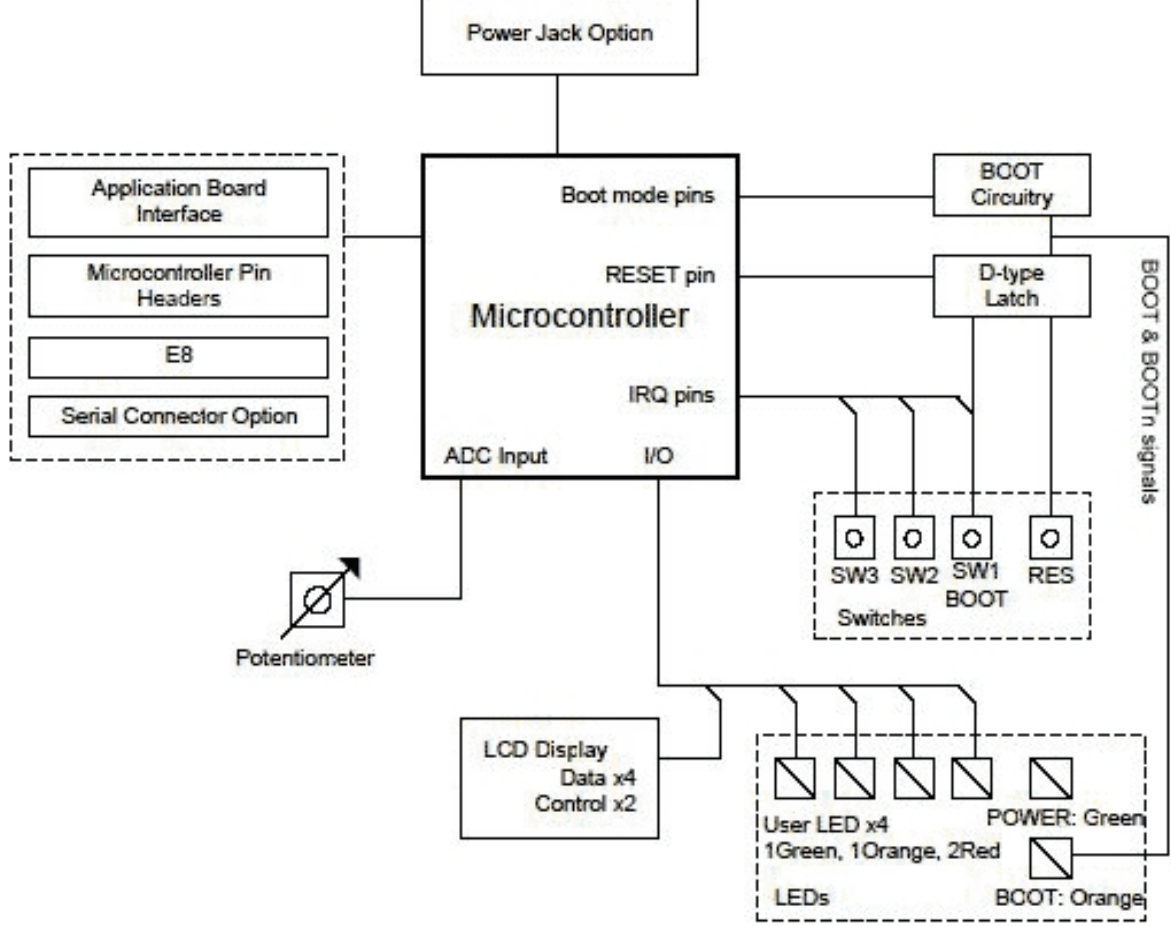
The Renesas Starter Kit for R8C/13 is intended as a userfriendly introductory and evaluation tool for the R8C/13 microcontroller. The board also provides a useful platform for evaluating the Renesas suite of development tools for coding and debugging, using Highperformance Embedded Workshop as well as programming the device using E8 emulator and/or Flash Development Toolkit.

The Renesas Starter Kit for R8C/13 may be connected to the host PC using a simple RS232 serial connection (not normally fitted) or via the included USB E8 on chip debugging interface.

The purpose of the board is to enable the user to evaluate the capabilities of the device and its peripherals by giving the user a simple platform on which code can be run only minutes from opening box. It can also prove an invaluable tool in development by providing a useful test platform for code already debugged using one of our more powerful emulation tools.

Top

Functional Representation



Top

Kit Contents

- CPU Board
- Detachable LCD Display Module
- Detachable AD Adjustment Shaft
- E8 Emulator
- Connection Cable (USB Cable, User Interface Cable)
- Quick Start Guide
- CD-ROM
 - Documents : User Manual, Tutorial, and more
 - IDE : High-performance Embedded Workshop
 - C Compiler : M3T-NC30WA Evaluation Version
 - Debugger : E8 Emulator Debugger
 - Flash Memory Programmer : Flash Development Toolkit Evaluation Version

Notes

- The M3TNC30WA Evaluation Version does not come with technical support services. In addition, The M3TNC30WA Evaluation Version has some restrictions compared to the M3TNC30WA Professional Version.

Trial period: 60 days

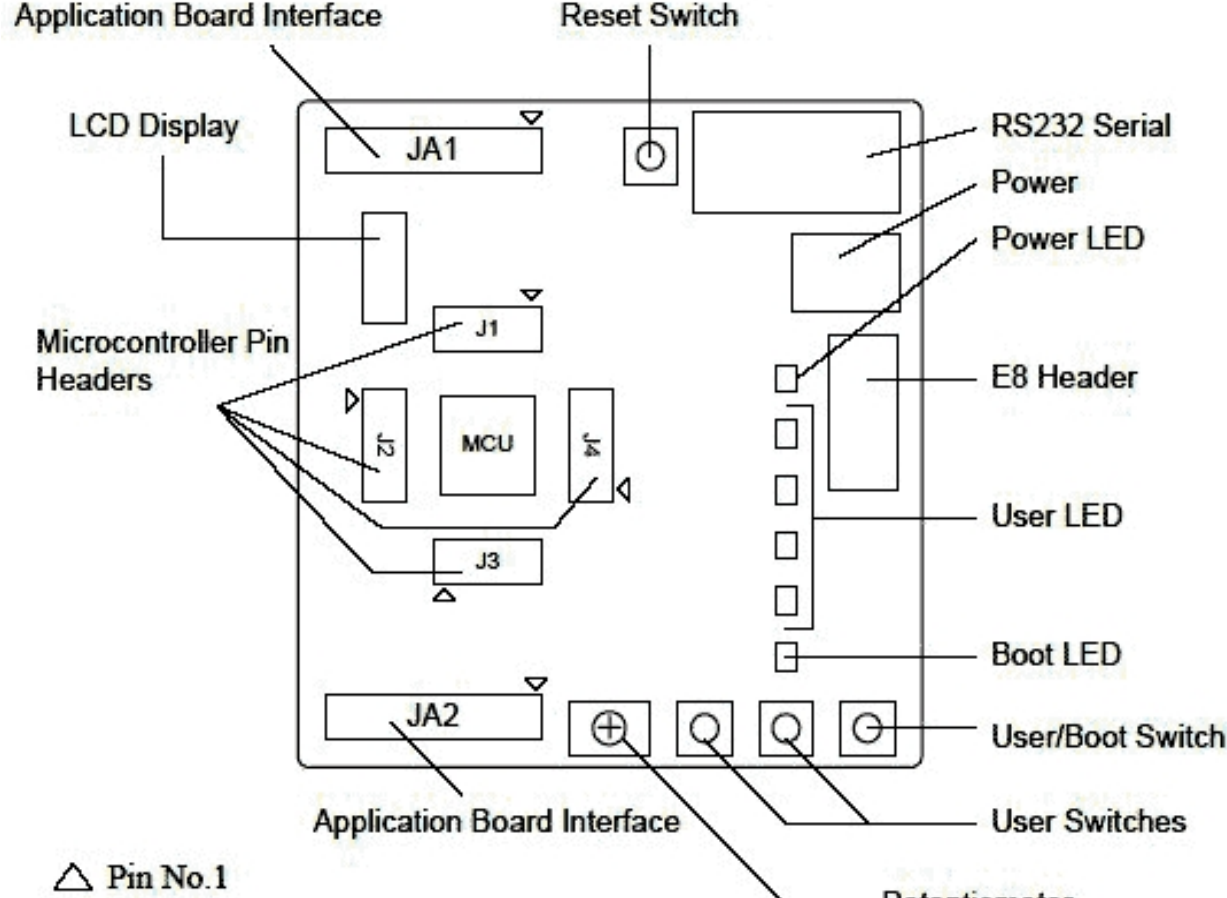
The link size will be limited to 64KB after 60 days.

- The Flash Development Toolkit Evaluation Version does not come with technical support services.

Top

Board Layout

Users should note that the RS232 serial port connector is not populated by default. The LCD display module is supplied as a detachable sub-board. The board dimensions are 85mm by 100mm, detailed dimensions are available in the user manual.



Board Specification

Item	Specification
Microcontroller	R5F21134FP
Input Clock	20MHz
Potentiometer	Single-turn, 10k?
LED	Power indicator: green x 1
	Boot indicator: orange x 1
	User: green x 1, orange x 1, red x 2
Switch	Reset x 1
	User/Boot x 1
	User x 2
DC Power Jack	3V to 5V Input
E8 Header	14-pin box header
RS232 Serial Connector	9-pin DSUB
LCD Display Connector	14-pin socket
Microcontroller Pin Header	2.54mm pitch, 8pin x 4
Application Board Interface	2.54mm pitch, 26pin x 2

* RS232 Serial Connector, Microcontroller Pin Header and Application Board Interface are not contained in the product.

Top

Ordering Information

This product is in mass production. This product can be purchased throughthe normal sales channels

Product Name	Supported Device Group	Part Number (Ordering Number)	Availability
Renesas Starter Kit for R8C/13	R8C/13	R0K521134S000BE	Available

Top

PC System Requirements

- IBM PC/AT or compatible PC (USB interface necessary) *1
- Intel Pentium? 600MHz or higher *3
- Memory 128MB or higher
- Microsoft Windows 98SE/ Windows ME / Windows 2000/ Windows XP *2

*1: IBM and PC/AT are registered trademarks of International Business Machines Corporation of the U.S.

*2: MS, MSDOS and Windows are registered trademarks of Microsoft Corporation of the U.S.

*3: Pentium is a trademark of Intel Corporation of the U.S.

Top

Product Support

RSK is a limited support package, if you have a problem setting up your RSK that is nc covered in the Quick Start Guide or User Manual and cannot be solved by approaching your Renesas Supplier, or you would like to report a problem with your RSK; please contact tools.support.eu@renesas.com.

We will endeavour to assist you if possible, but cannot commit to solving any problems

When contacting us, please send your company name and product serial number for reference.

Note:The C/C++ Compiler Package for H8SX, H8S, H8 Families Evaluation Version and Flash Development Toolkit supplied with the RSK are unsupported.